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July 25, 1978

Memo to File:

Re: Utah Marblehead Lime Company
Tooele County
ACT/045/003

On July 21, 1978 this operation was inspected by Mike Minder, Mike Thompson and Jim Smith of the Division and Mr. Grant Reed, Plant Manager for Utah Marblehead Lime. This was the first visit since the filing of the mining and reclamation plan on June 30, 1977. Mr. Reed provided us with a general background of the operation and a tour of the plant facilities, which are reached via the Delle Exit on I-80 West.

The operation currently consists of an active quarry and plant processing facilities, with plans to expand the operation and double production, which has risen from 44,000 to 102,000 tons per year over the past 20 years.

Approximately 75,000 tons of high density limestone rock from the Betsy Quarry, Lynch formation, is shot every 6-8 weeks leaving about 50 foot highwalls and 18-36 foot benches. The present quarry is located about two (2) miles north of the plant facilities. An old quarry exists above and to the east of the plant which was abandoned about 1963 due to the quality of the limestone and steepness of the access road.

The rock is hauled by truck to the crushing facilities, then mixed with iron as it runs through a rotary kiln. The finished product is shipped out by rail and used in the steel industry for refractory and furnace linings and is in very high demand worldwide.

No waste rock is generated and water used in the preparation process is pumped from a well near the plant area then held in a small pond for recycling. Portable water is brought in daily.

Coal used in the preparation process comes from Swisher and the iron comes from Garland, Nevada.

Vegetation found in the area consists of cheat grass, Indian ricegrass, greasewood, rabbitbrush, sagebrush, shadscale, halogeton, Russian thistle, and juniper. There is a moderate amount of cattle and antelope grazing in the area with sheep having grazed there in the past. The average annual precipitation is around 5" per year.

The old quarry is re-establishing vegetation naturally and the highwalls are stable posing no hazard. The old road leading up the hill to the quarry acts as a diversion structure for channeling runoff.

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The Mined Land Reclamation Act was explained to Mr. Reed and a copy of the "Changes and Additions..." and MR-Form 8 with the cover letter was given to him for completion and submission so that the Division may continue with the approval process.

JWS
JAMES W. SMITH
RECLAMATION SOILS SPECIALIST

JWS/jt